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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF LEVELS, TRENDS AND TURNOVER RATES

OCTOBER 1983

(September Data)

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JOB SERVICE

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY OFFICE OF EMPLOYMENT SECURITY

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In cooperation with the United States Bureau of Labor Statistics

– EXPLANATORY –

INDUSTRY EMPLOYMENT

Employment data refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives ".

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
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PENNSYLVANIA EMPLOYMENT AND EARNINGS FOR OCTOBER 1983
(SEPTEMBER DATA)

UNEMPLOYMENT DROPS FOR THIRD CONSECUTIVE MONTH-QUARTERLY EMPLOYMENT HITS TWO-YEAR HIGH

Unemployment dropped 61,100 during September to a level of 548,900, the lowest since May 1982 when 529,000 were unemployed. This was the third consecutive month a decrease occurred. The unadjusted unemployment rate of 10.0 percent was also the lowest recorded since the May 1982 rate of 9.8 percent. Seasonally adjusted unemployment numbers also dropped, going from 637,000 in August to 576,000 for September and rates from 11.5 percent to 10.4 percent.

Employment in Pennsylvania also showed a decrease during September going from 5,035,000 in August to 4,963,600 a drop of 71,400. The condition of employment and unemployment dropping at the same time occurs when there is an unusually large number of withdrawals from the labor force. An example of this phenomenon is student summer employment. When students leave their summer jobs, they do not enter the ranks of the unemployed, but return to school. Termination of seasonal summer jobs and curtailment of contract construction work accounted for a significant portion of the reduction.

Despite the slight dip in employment for September, the third quarter average monthly employment of 5,017,000 was the highest quarterly average since the third quarter of 1981 when 5,102,000 people were employed. It was also 5.3 percent above this year's average second quarter figure of 4,764,000. July marked the highest number of persons employed - 5,054,000 - since August 1981 when 5,157,000 were employed.

NONAGRICULTURAL EMPLOYMENT INCREASES BY 25,700: NONMANUFACTURING EMPLOYMENT UP 20,300 AND MANUFACTURING INCREASES BY 5,400

Employment in nonagricultural wage and salary jobs rose to 4,481,700 in September, an increase of 25,700 over August. The nonmanufacturing sector reported 3,834,200 employed, up 20,300 from the previous month. Manufacturing employment increased by 5,400 to a level of 1,108,900. The September employment figure for nonagricultural wage and salary was 16,600 below the June total of 4,498,300. Reflected in the ending third quarter figure are the reductions in work forces of seasonal summer jobs and contract construction.

NONMANUFACTURING. Employment in nonmanufacturing for September increased for the first time in four months. In comparing the ending third quarter employment figure with the June total, there was an increase of 434,100 to 3,400,100 jobs in September. Contributing significantly to the increase was the return of workers in the educational sector, 31,800 in local education, 19,900 in educational services, 4,300 in state education and 7,500 in transportation. Employment also increased in the communication field as 14,300 striking telephone workers returned to work. Department stores employment also improved as 1,600 persons were added to the work force.

Experiencing job losses from August were local government where 35,700 fewer persons were employed, and seasonally influenced businesses, including hotel and other lodging (-4,200), amusement and recreation services (-3,800), contract construction (-3,100), and eating and drinking places (-2,400).

MANUFACTURING. Employment in manufacturing industries increased over the previous month by 5,400 jobs to a level of 1,108,900. Durable goods accounted for 4,500 or 83.3 percent of the increase. Industries reporting gains over August were, transportation equipment 1,500; food and kindred products 1,100; machinery, except electrical, 1,100; preserved fruits and vegetables, 900; electric and electronic equipment, 800; and electronic components and accessories, 800.

Nondurable goods employment for the third quarter was 1,500 above the second quarter. Three major industries reporting quarterly gains were food and kindred products, 2,500; preserved fruits and vegetables, 2,000; and textile mill products, 600. Petroleum and coal products employment dropped by 1,700 over the same time period.

Employment in durable goods for the third quarter increased by 9,200. Primary metal industries exhibited the largest increase in employment moving from 122,000 up to 124,500, an increase of 2,500. Both fabriced metal products and lumber and wood products increased slightly during the quarter, going from 87,100 to 89,300, and 19,700 to 20,900 respectively.

FACTORY WORKERS EARNINGS, HOURS AND WAGES INCREASE DURING THIRD QUARTER

The average workweek, hourly rate and total wages of factory production workers for September increased over the previous month. Average hours worked were 40.0, the hourly rate was $9.03 and the average weekly earnings was $361.20. Corresponding August figures were, 39.5, $8.97 and $354.32. September's figures were also higher than the second quarter ending month of June when the averages were 39.5, $8.90, and $351.55.

Nondurable goods workweek averaged 38.8 hours and an hourly wage rate of $7.70 produced earnings of $298.76. All indices represent an increase over August; 38.5, $7.69 and $296.07.

Durable goods wage and salary rates rose slightly during September going from 40.5 hours, $9.97 and $403.79 total earnings to 41.0, $10.03 and $411.23 respectively.

QUARTERLY AND MONTHLY UNEMPLOYMENT RATES DROP IN ALL MAJOR AREAS - EMPLOYMENT GAINS IN MANUFACTURING

All major labor market areas recorded reductions in the seasonally adjusted unemployment rates for September and the third quarter. Areas with unemployment rates below the state average of 10.0 percent were Lancaster, 4.6 percent; Harrisburg, 5.2 percent; Reading, 7.1 percent; Philadelphia, 7.9 percent; State College, 8.7 percent; and York, 8.6 percent. Johnstown and Sharon recorded the highest unemployment rates for the major SMSAs with 15.8 percent and 15.0 percent respectively. The third quarter ending state rate was 10.0 percent, representing a twenty percent reduction over the second quarter ending rate of 12.6 percent. A total of 548,900 persons were unemployed at the end of September compared to 704,000 in June.

Employment in manufacturing industries for September increased in eight major SMSAs. Philadelphia increased by 2,700 jobs while Northeast Pennsylvania gained 800. Lancaster and Reading reported gains of 700. Pittsburgh reported a drop in employment of 1,700 from 167,800 in August to 166,100 in September, and employment in Allentown-Bethlehem-Easton decreased by 700, going from 88,600 to 87,900. Seven major SMSAs reported employment increases in the nonmanufacturing industries.

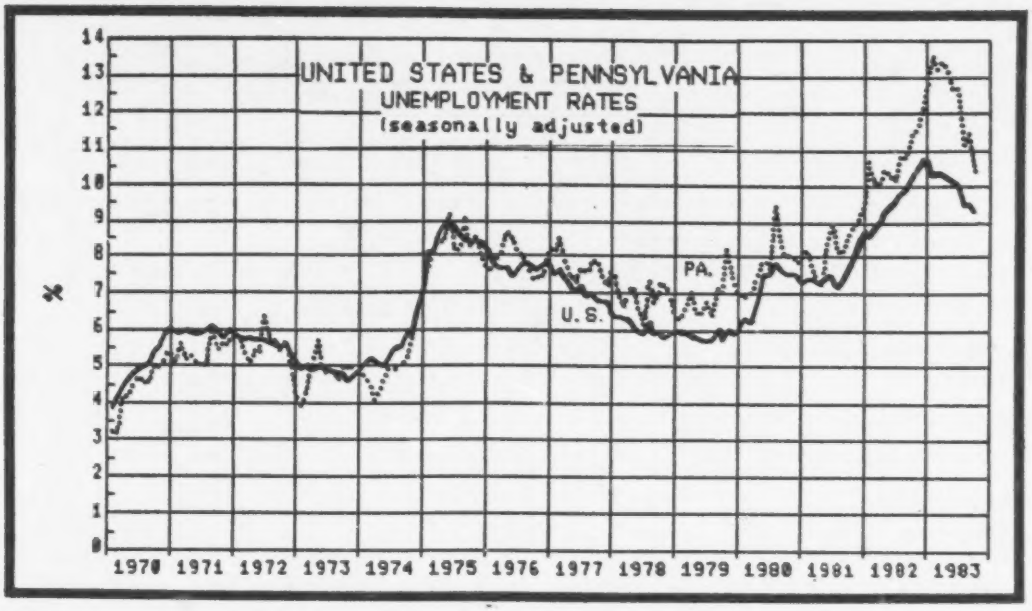

Table I. Resident Employment, Unemployment and Unemployed Rate (Thousands)

Year	PENNSYLVANIA Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	UNITED STATES Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1967	4,637	4,467	170	3.7		77,347	74,372	2,975	3.8	
1968	4,634	4,475	159	3.4		78,737	75,920	2,817	3.6	
1969	4,720	4,566	154	3.3		80,734	77,902	2,832	3.5	
1970	4,830	4,612	218	4.5		82,771	78,678	4,093	4.9	
1971	4,813	4,553	261	5.4		84,382	79,367	5,016	5.9	
1972	4,884	4,620	265	5.4		87,034	82,153	4,882	5.6	
1973	4,999	4,756	242	4.8		89,429	85,064	4,365	4.9	
1974	5,052	4,792	259	5.1		91,949	86,794	5,156	5.6	
1975	5,096	4,672	423	8.3		93,775	85,846	7,929	8.5	
1976	5,127	4,721	407	7.9		96,158	88,752	7,406	7.7	
1977	5,205	4,804	401	7.7		99,009	92,017	6,991	7.1	
1978	5,303	4,936	367	6.9		102,251	96,048	6,202	6.1	
1979	5,358	4,988	370	6.9		104,962	98,824	6,137	5.8	
1980	5,434	5,009	425	7.8		106,940	99,303	7,637	7.1	
1981	5,476	5,018	458	8.4		108,670	100,397	8,273	7.6	
1982	5,482	4,883	599	10.9		110,204	99,526	10,678	9.7	
1983 Jan.	5,407	4,603	804	14.9	13.6	109,779	97,262	12,517	11.4	10.4
Feb.	5,369	4,610	759	14.1	13.2	109,647	97,265	12,382	11.3	10.4
Mar.	5,307	4,571	736	13.9	13.4	109,873	97,994	11,879	10.8	10.3
Apr.	5,327	4,636	691	13.0	13.2	109,875	98,840	11,035	10.0	10.2
May	5,428	4,769	659	12.1	12.6	110,308	99,543	10,765	9.8	10.1
June	5,607	4,886	721	12.9	12.6	113,383	101,813	11,570	10.2	10.0
July	5,670	5,054	617	10.9	11.1	113,980	103,273	10,707	9.4	9.5
Aug.	5,645	5,035	610	10.8	11.5	113,578	103,167	10,411	9.2	9.5
Sep.	5,512	4,964	549	10.0	10.4	112,197	102,366	9,830	8.8	9.3
1982										
1st Qtr.	5,419	4,815	603	11.1	10.3	108,366	98,083	10,284	9.5	8.8
2rd Qtr.	5,424	4,875	549	10.1	10.3	110,099	99,833	10,267	9.3	9.4
3rd Qtr.	5,550	4,960	590	10.6	11.0	111,653	100,839	10,814	9.7	10.0
4th Qtr.	5,532	4,880	652	11.8	12.1	110,700	99,351	11,349	10.3	10.7
1983										
1st Qtr.	5,361	4,595	766	14.3	13.4	109,766	97,507	12,259	11.2	10.3
2nd Qtr.	5,454	4,764	690	12.7	12.8	111,189	100,065	11,123	10.0	10.1
3nd Qtr.	5,609	5,017	592	10.6	11.0	113,252	102,935	10,316	9.1	9.4

On all tables the most recent month's data are preliminary. They are subject to revision.

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYEES					NET CHANGE		
	Sept. 1983	Aug. 1983	Jul. 1983	Jun. 1983	Sept. 1982	Aug. 1983	Jun. 1983	Sept. 1982
TOTAL NONAG. WAGE & SALARY EMPLOYMENT	4481.7	4456.0	4473.9	4511.9	4535.1	25.7	-30.2	-53.4
LABOR-MANAGEMENT DISPUTES	3.7	5.4	4.6	6.1	5.0	- 1.7	- 2.4	+ 1.3
TOTAL MANUFACTURING INDUSTRIES	1108.9	1103.5	1094.7	1103.9	1143.2	5.4	5.0	-34.3
TOTAL DURABLE GOODS	631.7	627.2	621.6	626.5	659.8	4.5	5.2	-28.1
Lumber & wood products	20.9	20.7	20.2	19.9	18.0	0.2	1.0	2.9
Millwork, plywood & structural	6.9	6.7	6.4	6.2	5.7	0.2	0.7	1.2
Other lumber & wood prod.	14.0	14.0	13.8	13.7	12.3	0.0	0.3	1.7
Furniture & fixtures	19.0	18.7	17.7	18.0	18.6	0.3	1.0	0.4
Household furniture	7.9	8.0	7.6	7.8	7.8	-0.1	0.1	0.1
Office furniture	5.4	5.2	4.8	4.9	5.0	0.2	0.5	0.4
Other furniture & fixtures	5.7	5.5	5.3	5.3	5.8	0.2	0.4	-0.1
Stone, clay & glass products	50.9	50.4	50.7	50.8	52.1	0.5	0.1	-1.2
Glass & glassware, pressed or blown	13.5	13.3	13.6	13.8	14.1	0.2	-0.3	-0.6
Glass containers	6.8	7.0	7.1	7.2	7.3	-0.2	-0.4	-0.5
Other pressed or blown glass	6.7	6.3	6.5	6.6	6.8	0.4	0.1	-0.1
Hydraulic cement	2.2	2.2	2.2	2.2	2.4	0.0	0.0	-0.2
Structural clay products	4.7	4.6	4.5	4.6	4.7	0.1	0.1	0.0
Pottery & related products	4.2	4.1	4.2	4.2	4.5	0.1	0.0	-0.3
Concrete, gypsum & plaster prod.	7.7	7.8	7.9	7.7	7.5	-0.1	0.0	0.2
Other stone, clay & glass prod.	18.6	18.4	18.3	18.3	18.9	0.2	0.3	-0.3
Primary metal industries	124.5	124.8	123.9	124.8	129.8	-0.3	-0.3	-5.3
Blast furnace & basic steel prod.	86.5	87.0	86.6	87.4	90.5	-0.5	-0.9	-4.0
Blast furnaces & steel mills	78.6	79.3	78.9	79.6	82.3	-0.7	-1.0	-3.7
Other basic steel products	7.9	7.7	7.7	7.8	8.2	0.2	0.1	-0.3
Iron & steel foundries	11.7	11.6	11.4	11.7	13.3	0.1	0.0	-1.6
Gray iron foundries	5.8	5.8	5.4	5.5	5.5	0.0	0.3	0.3
Steel foundries, n.e.c.	3.4	3.4	3.6	3.7	4.3	0.0	-0.3	-0.9
Malleable iron & steel invest.	2.5	2.4	2.4	2.5	3.5	0.1	0.0	-1.0
Nonferrous rolling & drawing	13.0	13.0	13.0	12.7	12.7	0.0	0.3	0.3
Nonferrous foundries	5.7	5.6	5.5	5.6	6.0	0.1	0.1	-0.3
Other primary metal products	7.6	7.6	7.4	7.4	7.3	0.0	0.2	0.3
Fabricated metal products	89.3	89.0	87.7	87.3	95.1	0.3	2.0	-5.8
Metal cans & shipping containers	3.4	3.4	3.3	3.3	3.3	0.0	0.1	0.1
Cutlery, hand tools & hardware	4.7	4.6	4.6	4.6	5.2	0.1	0.1	-0.5
Plumbing & heating exc. electrical	2.7	2.6	2.6	2.6	2.7	0.1	0.1	0.0
Fabricated structural metal prod.	27.1	27.0	26.6	26.3	30.7	0.1	0.8	-3.6
Fabricated structural metal	4.8	4.7	4.6	4.5	5.9	0.1	0.3	-1.1
Fabricated plate work (boiler shops)	6.8	6.9	6.9	6.9	9.0	-0.1	-0.1	-2.2
Other fabricated struct. metal prod.	15.5	15.4	15.1	14.9	15.8	0.1	0.6	-0.3
Screw machine products, bolts, etc.	6.4	6.4	6.3	6.5	6.9	0.0	-0.1	-0.5
Metal forgings & stampings	16.9	17.4	17.0	16.8	17.9	-0.5	0.1	-1.0
Iron & steel forgings	3.8	4.3	4.3	4.3	4.8	-0.5	-0.5	-1.0
Other metal forgings & stampings	13.1	13.1	12.7	12.5	13.1	0.0	0.6	0.0
Metal services & ordnance, n.e.c.	8.3	8.3	8.3	8.3	8.1	0.0	0.0	0.2
Misc. fabricated metal products	19.8	19.3	19.0	18.9	20.3	0.5	0.9	-0.5
Valves & pipe fittings	7.3	7.2	7.1	7.0	7.7	0.1	0.3	-0.4
Other misc. fabricated metal prod.	12.5	12.1	11.9	11.9	12.6	0.4	0.6	-0.1
Machinery, exc. electrical	105.9	104.8	103.6	106.0	121.3	1.1	-0.1	-15.4
Engines & turbines	5.9	6.1	6.4	6.5	8.5	-0.2	-0.6	-2.6
Farm & garden machinery	3.1	3.1	3.0	3.0	3.4	0.0	0.1	-0.3
Construction & related mach.	14.9	14.8	15.4	15.3	20.0	0.1	0.4	-5.1
Construction machinery	4.9	4.9	4.8	4.6	6.8	0.0	0.3	-1.9
Conveyors & conveying equip.	3.4	3.3	3.2	3.2	3.5	0.1	0.2	-0.1
Other construction & related mach.	6.6	6.6	7.4	7.5	9.7	0.0	-0.9	-3.1
Metal working machinery	14.8	14.2	14.2	14.3	17.9	0.6	0.5	-3.1
Special industry machinery	10.8	10.8	10.5	10.8	11.9	0.0	0.0	-1.1

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(cont.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYEES					NET CHANGE		
	Sept. 1983	Aug. 1983	Jul. 1983	Jun. 1983	Sept. 1982	Aug. 1983	Jun. 1983	Sept. 1982
General industrial machinery	22.2	22.0	22.4	22.2	24.7	0.2	0.0	-2.5
Pumps & pumping equipment	3.5	3.5	3.7	3.6	4.1	0.0	-0.1	-0.6
Ball & roller bearings	3.4	3.3	3.2	3.2	3.3	0.1	0.2	0.1
Air & gas compressors	3.5	3.6	3.9	3.8	4.4	-0.1	-0.3	-0.9
Industrial furnaces & ovens	2.4	2.4	2.4	2.5	2.9	0.0	-0.1	-0.5
Other general industrial mach.	9.4	9.2	9.2	9.1	10.0	0.2	0.3	-0.6
Office and computing machines	13.1	12.9	13.0	12.9	12.9	0.2	0.2	0.2
Refrigeration & service ind. mach.	9.4	9.4	7.2	9.5	9.3	0.0	-0.1	0.1
Misc. machinery, exc. electrical	11.7	11.5	11.5	11.5	12.7	0.2	0.2	-1.0
Electric & electronic equipment	102.5	101.7	101.3	102.3	106.5	0.8	0.2	-4.0
Electric distributing equip.	11.5	11.8	12.1	12.6	15.1	-0.3	-1.1	-3.6
Transformers	4.0	3.9	3.9	4.2	5.2	0.1	-0.2	-1.2
Switchgear & switchboard apparatus	7.5	7.9	8.2	8.4	9.9	-0.4	-0.9	-2.4
Electrical industrial apparatus	15.9	15.9	15.7	15.9	16.3	0.0	0.0	-0.4
Household appliances	3.7	3.6	3 5	4.0	4.1	0.1	-0.3	-0.4
Electric lighting & wiring equip.	19.4	19.5	18.9	19.4	20.2	-0.1	0.0	-0.8
Current-carrying wiring devices	11.3	11.6	11.3	11.5	11.3	-0.3	-0.2	0.0
Other electric light & wiring equip.	8.1	7.9	7.6	7.9	8.9	0.2	0.2	-0.8
Communication equipment	8.4	8.5	8.8	8.7	9.4	-0.1	-0.3	-1.0
Electronic components & accessories	33.5	32.7	32.6	32.2	31.8	0.8	1.3	1.7
Semiconductors & related devices	12.8	12.6	12.4	12.0	11.4	0.2	0.8	1.4
Other electronic components & access.	20.7	20.1	20.2	20.2	20.4	0.6	0.5	0.3
Other electrical equip. & supplies	10.1	9.7	9.7	9.5	9.6	0.4	0.6	0.5
Transportation equipment	60.7	59.2	59.5	59.6	58.6	1.5	1.1	2.1
Motor vehicles & equipment	24.5	23.5	22.7	22.6	20.6	1.0	1.9	3.9
Motor vehicle parts & access.	10.6	10.0	9.4	9.9	9.3	0.6	0.7	1.3
Other motor vehicles & equip.	13.9	13.5	13.3	12.7	11.3	0.4	1.2	2.6
Aircraft & parts	8.9	8.8	9.9	10.2	10.4	0.1	-0.3	-1.5
Ship & boat building & repairing	3.0	2.8	3.0	3.0	3.3	0.1	0.0	-0.3
Railroad equipment	11.9	11.6	11.5	11.5	12.6	0.3	0.4	-0.7
Other transportation equipment	12.4	12.5	12.4	12.3	11.7	-0.1	0.1	0.7
Instruments & related products	35.8	35.4	35.6	35.6	38.1	0.4	0.2	-2.3
Measuring & controlling devices	17.4	17.4	17.6	17.7	19.4	0.0	-0.3	-2.0
Medical instruments & supplies	10.8	10.8	10.7	10.7	10.9	0.0	0.1	-0.1
Other instruments & related prod.	7.6	7.2	7.3	7.2	7.8	0.4	0.4	-0.2
Miscellaneous manufacturing industries	22.2	22.5	21.4	27.2	21.7	-0.3	0.0	0.5
TOTAL NONDURABLE GOODS	477.2	476.3	473.1	477.4	483.4	0.9	-0.2	-6.2
Food & kindred products	93.9	92.8	93.2	91.8	94.6	1.1	2.1	-0.7
Meat products	13.3	13.1	13.3	13.1	13.5	0.2	0.2	-0.2
Meat packing plants	4.4	4.1	4.3	4.3	4.2	0.3	0.1	0.2
Sausages & other prepared meats	4.5	4.5	4.6	4.6	4.7	0.0	-0.1	-0.2
Poultry dressing & processing	4.4	4.5	4.4	4.2	4.6	-0.1	0.2	-0.2
Dairy products	11.2	11.4	11.4	11.3	11.2	-0.2	-0.1	0.0
Fluid milk	5.8	5.9	5.9	5.9	5.9	-0.1	-0.1	0.0
Other dairy products	5.4	5.5	5.5	5.4	5.3	-0.1	0.0	0.1
Preserved fruits & vegetables	12.5	11.6	11.4	10.7	12.8	0.9	1.8	-0.3
Canned fruits & vegetables	3.9	3.3	3.4	3.2	4.4	0.6	0.7	-0.5
Other preserved fruits & vegetables	8.6	8.3	8.0	7.5	8.4	0.3	1.1	0.2
Grain mill products	5.3	5.2	5.3	5.3	5.2	0.1	0.0	0.1
Bakery products	17.0	17.1	17.4	17.4	17.1	-0.1	-0.4	-0.1
Bread, cake & related prod.	12.7	13.0	13.1	13.2	12.8	-0.3	-0.5	-0.1
Cookies & crackers	4.3	4.1	4.3	4.2	4.3	0.2	0.1	0.0
Sugar & confectionery prod.	15.5	15.1	14.9	14.9	15.3	0.4	0.6	0.2
Beverages	9.5	9.6	9.8	9.5	9.4	-0.1	0.0	0.1
Other food & kindred products	9.6	9.7	9.7	9.6	10.1	-0.1	0.0	-0.5

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(cont.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYES					NET CHANGE		
	Sept. 1983	Aug. 1983	Jul. 1983	Jun. 1983	Sept. 1982	Aug. 1983	Jun. 1983	Sept. 1982
Tobacco manufacturers	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
Textile mill products	39.2	38.8	38.2	38.9	38.8	0.4	0.3	0.4
Weaving mills, synthetics	4.3	4.3	4.3	4.3	4.3	0.0	0.0	0.0
Knitting mills	19.9	19.7	19.5	19.6	19.9	0.2	0.3	0.0
Knit outerwear mills	10.3	10.2	10.2	10.2	10.9	0.1	0.1	-0.6
Knit underwear mills	5.3	5.2	5.0	5.1	4.7	0.1	0.2	0.6
Other knitting mills	4.3	4.3	4.3	4.3	4.3	0.0	0.0	0.0
Floor covering mills	3.1	3.0	3.0	3.0	2.9	0.1	0.1	0.2
Yarn & thread mills	3.1	3.1	2.9	3.1	3.0	0.0	0.0	0.1
Other textile mill prod.	8.8	8.7	8.5	8.9	8.7	0.1	-0.1	0.1
Apparel & other textile products	111.6	111.6	108.8	111.9	113.1	0.0	-0.3	-1.5
Men's & boys' suits & coats	14.8	14.9	14.8	15.0	14.8	-0.1	-0.2	0.0
Men's & boys' furnishings	16.8	17.0	17.3	17.3	17.7	-0.2	-0.5	-0.9
Men's & boys' shirts & nightwear	6.5	6.4	6.4	6.4	6.7	0.1	0.1	-0.2
Men's & boys' separate trousers	3.9	3.9	3.8	3.9	3.7	0.0	0.0	0.2
Other furnishings & work clothing	6.4	6.7	7.1	7.0	7.3	-0.3	-0.6	-0.9
Women's & misses' outerwear	49.5	49.6	48.2	50.5	52.1	-0.1	-0.5	-2.6
Women's & children's undergarments	10.5	10.3	9.4	9.8	9.9	0.2	0.7	0.6
Children's outerwear	8.1	7.9	7.9	8.1	7.4	0.2	0.0	0.7
Other apparel & textile prod.	11.9	11.9	11.2	11.2	11.2	0.0	0.7	0.7
Paper & allied products	40.2	39.8	39.5	40.0	40.1	0.4	0.2	0.1
Paper mills exc. building paper	9.9	9.4	9.4	9.5	10.1	0.5	0.4	-0.2
Paper board containers & boxes	14.2	14.0	13.9	13.8	13.9	0.2	0.4	0.3
Corrugated & solid fiber boxes	7.3	7.3	7.2	7.2	7.2	0.0	0.1	0.1
Other paperboard containers	6.9	6.7	6.7	6.6	6.7	0.2	0.3	0.2
Other paper & allied products	16.1	16.4	16.2	16.7	16.1	-0.3	-0.6	0.0
Printing & publishing	71.3	71.3	71.2	71.4	71.5	0.0	-0.1	-0.2
Newspapers	22.7	22.6	22.5	22.5	22.2	0.1	0.2	0.5
Books	5.5	5.7	5.8	5.9	5.5	-0.2	-0.4	0.0
Commercial printing	22.9	23.0	22.8	23.1	23.6	-0.1	-0.2	-0.7
Lithographing	13.6	13.5	13.4	13.7	13.9	0.1	-0.1	-0.3
Other commercial printing	9.3	9.5	9.4	9.4	9.7	-0.2	-0.1	-0.4
Manifold business forms	4.7	4.6	4.6	4.6	4.6	0.1	0.1	0.1
Other printing & publishing	15.5	15.4	15.5	15.3	15.6	0.1	0.2	-0.1
Chemicals & allied products	57.0	57.4	57.4	57.4	58.2	-0.4	-0.4	-1.2
Industrial inorganic chemicals	8.8	8.8	8.8	9.0	9.8	0.0	-0.2	-1.0
Plastic materials & synthetics	7.9	7.9	8.0	7.9	7.9	0.0	0.0	0.0
Drugs	19.2	19.4	19.4	19.2	18.6	-0.2	0.0	0.6
Soap, cleaners & toilet goods	3.3	3.3	3.3	3.3	3.2	0.0	0.0	0.1
Paints & allied products	3.9	4.1	4.0	4.0	4.0	-0.2	-0.1	-0.1
Other chemicals & allied prod.	13.9	13.9	13.9	14.0	14.7	0.0	-0.1	-0.8
Petroleum & coal products	14.4	15.0	15.9	16.1	16.6	-0.6	-1.7	-2.2
Petroleum refining	10.4	11.0	11.9	12.2	12.8	-0.6	-1.8	-2.4
Other petroleum & coal prod.	4.0	4.0	4.0	3.9	3.8	0.0	0.1	0.2
Rubber & misc. plastics products	34.0	33.9	33.4	33.9	33.7	0.1	0.1	0.3
Tires & inner tubes	2.9	2.8	2.8	2.7	2.7	0.1	0.2	0.2
Fabricated rubber prod., n.e.c.	3.9	3.6	3.6	3.6	3.9	0.3	0.3	0.0
Other rubber & plastic prod., n.e.c.	27.2	27.5	27.0	27.6	27.1	-0.3	-0.4	0.1
Leather & leather products	13.4	13.5	13.3	13.8	14.6	-0.1	-0.4	-1.2
Footwear, exc. rubber	10.3	10.5	10.4	10.8	11.7	-0.2	-0.5	-1.4
Men's footwear, exc. athletic	4.8	4.9	4.8	4.8	4.7	-0.1	0.0	-0.7
Women's footwear, exc. athletic	2.7	2.8	2.8	3.0	3.4	-0.1	-0.3	0.1
Other footwear	2.8	2.8	2.8	3.0	3.6	0.0	-0.2	-0.8
Other leather & leather prod.	3.1	3.0	2.9	3.0	2.9	0.1	0.1	0.2

Table 2. NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT
(concl.)

(Employment in Thousands)

INDUSTRY TITLE	ALL EMPLOYEES					NET CHANGE		
	Sept. 1983	Aug. 1983	Jul. 1983	Jun. 1983	Sept. 1982	Aug. 1983	Jun. 1983	Sept. 1982
TOTAL NONMANUFACTURING INDUSTRIES	3372.8	3352.5	3379.2	3408.0	3391.9	20.3	-35.2	-19.1
Mining	43.8	43.3	44.2	43.6	45.4	0.5	0.2	-1.6
Anthracite	2.6	2.5	2.6	2.6	3.5	0.1	0.0	-0.9
Bituminous	31.7	31.4	32.1	31.5	31.6	0.3	0.2	0.1
Nonmetallic minerals	4.4	4.3	4.4	4.4	4.5	0.1	0.0	-0.1
Contract Construction	161.1	164.2	164.7	158.9	179.9	-3.1	2.2	-18.8
General building	41.5	41.9	41.6	38.5	44.8	-0.4	3.0	-3.3
Heavy construction	33.1	34.4	35.2	35.2	40.6	-1.3	-2.1	-7.5
Special trades	86.5	87.9	87.9	85.2	94.5	-1.4	1.3	-8.0
Transportation	139.5	132.0	132.2	138.4	145.3	7.5	1.1	-5.8
Railroads	25.3	25.3	26.3	26.0	31.2	0.0	-0.7	-5.9
Public Utilities	103.5	89.7	104.2	103.9	105.6	13.8	-0.4	-2.1
Communications	53.1	38.8	53.6	53.4	55.5	14.3	-0.3	-2.4
Electric, gas & sanitary service	50.4	50.9	50.6	50.5	50.1	-0.5	-0.1	0.3
Electric systems	25.7	25.8	25.8	25.9	25.5	-0.1	-0.2	0.2
Gas production	9.0	9.0	8.7	8.6	9.0	0.0	0.4	0.0
Wholesale trade	233.9	234.4	234.8	235.7	238.3	-0.5	-1.8	-4.4
Retail trade	739.9	740.5	738.3	738.0	729.7	-0.6	1.9	10.2
General merchandise stores	117.2	115.8	117.9	115.7	114.9	1.4	1.5	2.3
Department stores	104.7	103.1	105.2	103.1	102.2	1.6	1.6	2.5
Finance, insurance & real estate	239.7	242.8	243.7	242.4	238.6	-3.1	-2.7	1.1
Banking	80.9	82.0	81.9	81.8	80.4	-1.1	-0.9	0.5
Commercial & stock savings	74.5	75.5	75.4	75.3	74.0	-1.0	-0.8	0.5
Credit agencies & securities	33.0	33.0	32.7	32.8	30.8	0.0	0.2	2.2
Insurance	69.4	69.6	69.9	69.4	69.5	-0.2	0.0	-0.1
Life insurance	26.6	26.7	26.7	26.8	26.8	-0.1	-0.2	-0.2
Fire, marine & casualty	27.8	28.0	28.3	27.8	28.2	-0.2	0.0	-0.4
Services	1063.9	1056.3	1059.2	1070.7	1055.2	7.6	-6.8	8.7
Business services	145.4	144.7	143.5	144.6	141.4	0.7	0.8	4.0
Health services	365.0	367.3	367.9	365.8	355.3	-2.3	-0.8	9.7
Nursing & personal care	55.8	56.2	55.9	55.7	54.5	-0.4	0.1	1.3
Hospitals	219.4	221.0	221.8	220.9	216.0	-1.6	-1.5	3.4
Educational service	126.6	106.7	109.0	124.4	129.1	19.9	2.2	-2.5
Miscellaneous services	47.0	47.1	47.1	58.5	49.0	-0.1	-11.5	-2.0
Engineering & architectural	28.9	29.2	29.3	29.6	30.7	-0.3	-0.7	-1.8
Government	647.5	649.3	657.9	676.4	653.9	-1.8	-28.9	-6.4
Federal	133.9	135.9	137.0	136.4	131.8	-2.0	-2.5	2.1
State & local	513.6	513.4	520.9	540.0	522.1	-7.5	-26.4	-8.7

Table 3. SELECTED PENNSYLVANIA EMPLOYMENT INDICES
(Not Seasonally Adjusted)

1977 = 100

INDUSTRY TITLE	Sept. 1983	Aug. 1983	Jul. 1983	Jun. 1983	Sept. 1982	ANNUAL AVERAGE 1982	1981	1980
All Manufacturing	INA	INA	INA	81.8	85.2	86.9	96.8	98.9
Primary Metals	INA	INA	INA	61.1	64.3	71.1	92.1	95.2
Apparel	INA	INA	INA	83.1	89.1	84.0	91.5	92.6
All Nonmanufacturing	INA	INA	INA	105.4	103.9	105.2	106.3	106.2
Construction	INA	INA	INA	86.4	93.1	90.7	98.2	103.3
Retail Trade	INA	INA	INA	103.0	101.8	101.8	103.6	103.7
Services	INA	INA	INA	123.8	118.3	121.1	117.3	112.9
Government	INA	INA	INA	94.6	93.8	95.7	98.9	101.7

INA - Information not available.

TABLE 4. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1972	$154.42	39.8	$3.88	137.6	125.3	$123.24	$31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	217.4	127.92	150.18
1980	294.49	38.8	7.59	269.1	246.8	119.32	175.17
1981	325.36	39.2	8.30	294.3	272.4	119.44	205.92
1982	331.39	38.4	8.63	306.0	289.1	114.63	216.76

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col. 1 ÷ Col. 5)

TABLE 5. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(THOUSANDS)

Industry	Employment					Weekly Manhours Worked					Weekly Payrolls				
	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982
Manufacturing	760.5	754.5	748.2	753.2	778.9	30,433.2	29,815.1	29,502.9	29,781.0	29,429.3	274,661.4	267,453.1	265,834.5	265,078.0	255,358.7
Durable Goods	422.3	416.9	413.7	415.4	435.1	17,303.9	16,812.3	16.773.2	16,865.3	16,654.0	173,504.5	167,403.0	167,725.5	166,656.1	160,761.7
Nondur. Goods	338.2	337.6	334.5	337.8	343.8	13,129.3	13,002.8	12,729.7	12,915.7	12,775.3	101,156.9	100,050.1	98,109.0	98,421.9	94,597.0

NOTATION

Resident Data are workers by place of residence. They include wage and salary workers, self-employed and unpaid family workers and persons involved in labor management disputes.

Establishment Data are estimates by place of work. Persons involved in labor management disputes are not included.

Nonagricultural Wage and Salary Employment, beginning with 1981, are benchmarked to first quarter 1982.

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982
TOTAL MANUFACTURING INDUSTRIES	$361.20	$354.32	$353.70	$351.55	$328.10	40.0	39.5	39.3	39.5	37.8	$ 9.03	$ 8.97	$ 9.00	$ 8.90	$ 8.68
TOTAL DURABLE GOODS	411.23	401.39	404.19	401.13	369.60	41.0	40.3	40.5	40.6	38.3	10.03	9.96	9.98	9.88	9.65
Lumber & wood products	281.64	289.46	294.35	290.87	257.31	40.7	41.0	41.4	41.2	37.4	6.92	7.06	7.11	7.06	6.88
Millwork, plywood & structural	323.04	325.07	320.54	316.20	268.05	42.9	43.4	42.4	42.5	37.7	7.53	7.49	7.56	7.44	7.11
Other lumber & wood prod.	261.76	272.92	282.21	280.42	252.22	39.6	39.9	40.9	40.7	37.2	6.61	6.84	6.90	6.89	6.78
Furniture & fixtures	302.65	302.19	285.99	294.52	278.44	40.3	40.4	38.7	39.8	38.3	7.51	7.48	7.39	7.40	7.27
Household furniture	263.74	271.48	250.59	267.33	246.48	39.6	40.3	38.2	39.9	39.0	6.66	6.77	6.56	6.70	6.32
Office furniture	336.52	331.10	314.28	320.49	318.37	41.7	41.7	40.5	41.3	40.3	8.07	7.94	7.76	7.76	7.90
Other furniture & fixtures	329.54	326.33	318.10	314.64	290.05	39.8	39.7	37.6	38.0	35.2	8.28	8.22	8.46	8.28	8.24
Stone, clay & glass products	403.24	391.52	392.47	388.10	369.44	41.7	41.3	41.4	41.2	40.2	9.67	9.48	9.48	9.42	9.19
Glass & glassware, pressed or blown	416.00	402.78	414.26	401.29	391.23	41.6	41.1	42.1	41.2	41.4	10.00	9.80	9.84	9.74	9.45
Glass containers	445.20	428.08	429.51	429.51	411.76	42.0	41.4	41.7	41.7	41.3	10.60	10.34	10.30	10.30	9.97
Other pressed or blown glass	388.22	375.36	397.46	369.87	369.41	41.3	40.8	42.6	40.6	41.6	9.40	9.20	9.33	9.11	8.88
Hydraulic cement	560.58	580.75	575.08	568.54	537.21	42.5	43.6	43.6	43.4	42.4	13.19	13.32	13.19	13.10	12.67
Structural clay products	326.02	312.43	306.15	304.18	287.65	40.6	39.8	39.0	39.3	37.7	8.03	7.85	7.85	7.74	7.63
Pottery & related products	382.82	356.00	355.54	353.42	335.23	40.9	39.6	39.2	39.8	38.8	9.36	8.99	9.07	8.88	8.64
Concrete, gypsum & plaster prod.	382.75	378.77	381.78	381.33	345.22	44.3	44.3	44.6	44.6	42.1	8.64	8.55	8.56	8.55	8.20
Other stone, clay & glass prod.	409.04	392.35	385.49	385.49	367.86	40.7	40.2	39.7	39.7	38.6	10.05	9.76	9.71	9.71	9.53
Primary metal industries	475.83	471.14	472.82	465.23	426.27	40.6	40.2	39.9	39.9	35.2	11.72	11.72	11.85	11.66	12.11
Blast furnace & basic steel prod.	510.07	503.23	510.94	498.41	464.44	40.1	39.5	39.7	39.4	34.2	12.72	12.74	12.87	12.65	13.58
Blast furnaces & steel mills	517.29	510.34	520.70	505.50	469.88	40.1	39.5	39.9	39.4	34.0	12.90	12.92	13.05	12.83	13.82
Other basic steel products	441.10	433.32	422.87	424.32	411.41	40.1	39.5	38.2	39.0	35.9	11.00	10.97	11.07	10.88	11.46
Iron & steel foundries	370.55	372.19	360.36	359.20	306.67	40.9	40.9	39.0	39.3	33.7	9.06	9.10	9.24	9.14	9.10
Gray iron foundries	359.79	359.60	366.52	347.91	298.99	40.2	40.0	39.2	38.7	35.3	8.95	8.99	9.35	8.99	8.47
Steel foundries, n.e.c.	388.83	395.79	349.59	389.32	361.36	39.0	40.1	35.6	38.7	36.1	9.97	9.87	9.82	10.06	10.01
Malleable iron & steel invest.	376.77	374.03	358.69	347.77	260.55	44.8	43.9	42.6	41.5	28.6	8.41	8.52	8.42	8.38	9.11
Nonferrous rolling & drawing	434.85	428.41	414.26	429.46	379.09	42.8	43.1	42.1	43.6	40.2	10.16	9.94	9.84	9.85	9.43
Nonferrous foundries	363.41	361.20	354.00	351.83	330.24	40.2	40.0	40.0	39.8	38.4	9.04	9.03	8.85	8.84	8.60
Other primary metal products	401.32	403.22	388.01	385.63	361.10	42.2	42.4	40.8	41.6	39.9	9.51	9.51	9.51	9.27	9.05
Fabricated metal products	406.58	394.15	386.11	387.73	363.37	41.7	41.1	40.6	40.9	39.8	9.75	9.59	9.51	9.48	9.13
Metal cans & shipping containers	472.89	487.41	490.23	466.49	413.88	41.3	42.2	41.9	40.6	40.3	11.45	11.55	11.70	11.49	10.27
Cutlery, hand tools & hardware	307.32	302.94	297.04	301.85	276.43	39.4	39.6	39.5	40.3	38.5	7.80	7.65	7.52	7.49	7.18
Plumbing & heating exc. electrical	403.97	410.98	368.80	410.24	364.49	42.3	42.5	40.0	42.6	41.0	9.55	9.67	9.22	9.63	8.89
Fabricated structural metal prod.	362.71	358.02	346.81	345.86	339.37	40.8	40.5	39.5	39.8	39.6	8.89	8.84	8.78	8.69	8.57
Fabricated structural metal	399.49	395.78	379.22	386.05	358.70	41.7	41.4	40.3	41.6	38.2	9.58	9.56	9.41	9.28	9.39
Fabricated plate work (boiler shops)	419.92	405.73	374.19	384.56	380.21	41.7	40.9	38.3	40.1	39.4	10.07	9.92	9.77	9.59	9.65
Other fabricated struct. metal prod.	328.43	327.22	325.54	316.71	309.54	40.2	40.1	39.7	39.1	40.2	8.17	8.16	8.20	8.10	7.70
Screw machine products, bolts, etc.	365.38	373.72	390.29	374.74	336.90	39.5	39.8	41.3	40.6	37.6	9.25	9.39	9.45	9.23	8.96
Metal forgings & stampings	557.31	511.92	514.51	513.22	462.89	44.8	43.2	43.9	43.2	41.0	12.44	11.85	11.72	11.88	11.29
Iron & steel forgings	411.43	382.20	381.42	391.79	373.84	40.1	39.0	39.0	38.6	38.7	10.26	9.80	9.78	10.15	9.66
Other metal forgings & stampings	591.19	546.22	550.08	546.91	489.98	45.9	44.3	45.2	44.5	41.7	12.88	12.33	12.17	12.29	11.75
Metal services & ordnance, n.e.c.	344.03	327.98	338.99	331.93	336.38	41.4	39.9	40.5	39.8	42.1	8.31	8.22	8.37	8.34	7.99
Misc. fabricated metal products	375.00	367.36	338.82	358.97	340.28	41.3	41.0	38.9	40.7	38.8	9.08	8.96	8.71	8.82	8.77
Valves & pipe fittings	381.39	374.26	347.62	358.94	369.16	39.4	39.9	38.2	39.1	38.9	9.68	9.38	9.10	9.18	9.49
Other misc. fabricated metal prod.	371.85	363.17	334.44	358.56	323.92	42.4	41.6	39.3	41.5	38.7	8.77	8.73	8.51	8.64	8.37

HOURS AND EARNINGS FOR

Table 6. MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL
(cont.)

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982
Machinery, exc. electrical	$413.09	$403.20	$395.02	$400.40	$371.72	40.9	40.0	39.7	40.0	38.6	$10.10	$10.08	$ 9.95	$10.01	$ 9.63
Engines & turbines	484.06	463.22	473.11	462.48	467.31	39.1	38.0	39.1	39.8	41.1	12.38	12.19	12.10	11.62	11.37
Farm & garden machinery	480.47	473.43	465.55	440.77	378.50	43.6	43.0	42.4	41.7	39.8	11.02	11.01	10.98	10.57	9.51
Construction & related mach.	417.18	407.43	393.04	406.18	338.54	40.9	40.3	38.8	39.9	34.3	10.20	10.11	10.13	10.18	9.87
Construction machinery	485.55	471.99	461.36	491.36	312.46	41.5	40.9	39.5	41.5	27.1	11.70	11.54	11.68	11.84	11.53
Conveyors & conveying equip.	397.96	390.93	381.70	374.26	362.25	42.7	42.4	42.6	41.4	41.4	9.32	9.22	8.96	9.04	8.75
Other construction & related mach.	363.89	357.11	344.08	349.30	357.11	39.9	39.2	37.4	38.3	39.2	9.12	9.11	9.20	9.12	9.11
Metal working machinery	425.21	411.76	403.79	412.59	394.97	42.1	41.3	40.5	41.3	41.1	10.10	9.97	9.97	9.99	9.61
Special industry machinery	410.92	385.40	387.45	386.68	375.25	43.3	41.0	41.0	41.4	40.7	9.49	9.40	9.45	9.34	9.22
General industrial machinery	405.32	399.59	385.09	389.85	377.30	40.9	40.2	39.7	39.7	39.8	9.91	9.94	9.70	9.82	9.48
Pumps & pumping equipment	452.83	443.56	398.97	441.60	418.18	42.4	41.3	39.0	41.7	41.2	10.68	10.74	10.23	10.59	10.15
Ball & roller bearings	409.61	419.00	404.09	408.29	379.99	41.5	41.9	40.9	41.2	39.5	9.87	10.00	9.88	9.91	9.62
Air & gas compressors	456.57	405.38	397.31	394.30	374.75	44.5	39.9	40.5	40.4	39.2	10.26	10.16	9.81	9.76	9.56
Industrial furnaces & ovens	373.98	381.60	357.34	379.01	353.92	38.2	40.0	36.5	38.4	38.5	9.79	9.54	9.79	9.87	9.19
Other general industrial mach.	374.69	375.18	373.20	360.61	365.09	39.4	39.0	40.0	38.2	39.9	9.51	9.62	9.33	9.44	9.15
Office and computing machines	481.12	475.14	465.71	471.97	424.63	41.8	39.3	39.3	39.2	39.1	11.51	12.09	11.85	12.04	10.86
Refrigeration & service ind. mach.	361.54	362.70	359.19	368.17	368.23	37.7	37.9	39.0	37.8	40.2	9.59	9.57	9.21	9.74	9.16
Misc. machinery, exc. electrical	367.88	363.13	344.37	352.63	297.65	39.9	39.6	39.0	39.8	35.1	9.22	9.17	8.83	8.86	8.48
Electric & electronic equipment	362.30	359.60	375.24	367.09	341.82	40.3	40.0	41.1	41.2	39.2	8.99	8.99	9.13	8.91	8.72
Electric distributing equip.	387.66	366.72	409.76	408.35	434.93	37.6	35.5	39.4	39.8	41.7	10.31	10.33	10.40	10.26	10.43
Transformers	420.84	388.70	403.40	439.21	504.34	42.0	38.6	40.3	43.4	47.4	10.02	10.07	10.01	10.12	10.64
Switchgear & switchboard apparatus	367.50	354.56	413.12	391.61	396.17	34.9	33.8	38.9	37.8	38.5	10.53	10.49	10.62	10.36	10.29
Electrical industrial apparatus	357.62	342.42	370.05	346.52	317.46	40.5	39.0	41.3	40.2	39.0	8.83	8.78	8.96	8.62	8.14
Household appliances	341.96	355.74	329.02	317.49	303.73	41.3	42.0	38.8	39.1	39.6	8.28	8.47	8.48	8.12	7.67
Electric lighting & wiring equip.	322.58	313.01	317.81	319.87	296.43	39.1	38.5	38.9	39.2	37.1	8.25	8.13	8.17	8.16	7.99
Current-carrying wiring devices	361.12	343.36	365.90	362.71	288.15	41.7	40.3	42.3	41.5	36.2	8.66	8.52	8.65	8.74	7.96
Other electric light & wiring equip.	286.63	281.82	270.56	277.86	302.78	36.7	36.6	35.6	36.9	37.8	7.81	7.70	7.60	7.53	8.01
Communication equipment	399.25	386.48	412.72	388.03	332.05	42.7	42.1	44.0	42.5	37.1	9.35	9.18	9.38	9.13	8.95
Electronic components & accessories	389.22	399.36	424.77	407.22	351.74	41.1	41.6	43.3	43.6	39.7	9.47	9.60	9.81	9.34	8.86
Semiconductors & related devices	459.10	477.70	496.50	504.85	437.81	40.7	42.5	43.4	43.9	40.5	11.28	11.24	11.44	11.50	10.81
Other electronic components & access.	350.22	354.69	384.91	353.71	307.33	41.3	41.1	43.2	43.4	39.3	8.48	8.63	8.91	8.15	7.82
Other electrical equip. & supplies	313.16	315.05	276.43	309.57	313.82	40.2	41.4	38.5	40.1	38.6	7.79	7.61	7.18	7.72	8.13
Transportation equipment	481.54	449.55	457.20	463.80	413.32	41.8	39.4	40.0	41.3	38.7	11.52	11.41	11.43	11.23	10.68
Motor vehicles & equipment	489.06	461.16	459.76	482.94	401.81	41.8	39.9	39.6	42.4	37.8	11.70	11.57	11.61	11.39	10.63
Motor vehicle parts & access.	521.99	506.16	468.22	493.62	392.06	44.5	44.4	41.0	43.3	38.4	11.73	11.40	11.42	11.40	10.21
Other motor vehicles & equip.	461.36	426.53	452.76	474.13	410.69	39.5	36.3	38.5	41.7	37.2	11.68	11.75	11.76	11.37	11.04
Aircraft & parts	495.30	437.16	492.88	483.20	465.53	40.4	36.4	40.7	40.3	40.8	12.26	12.01	12.11	11.99	11.41
Ship & boat building & repairing	408.24	372.30	352.99	367.00	367.30	40.3	36.5	35.8	36.7	38.3	10.13	10.20	9.86	10.00	9.59
Railroad equipment	482.57	450.00	468.46	457.88	420.31	41.0	38.2	39.7	40.2	37.9	11.77	11.78	11.80	11.39	11.09
Other transportation equipment	471.60	443.84	437.50	423.19	389.46	45.0	42.8	42.6	41.9	40.4	10.48	10.37	10.27	10.10	9.64
Instruments & related products	372.30	358.60	375.42	362.50	343.96	40.6	39.8	41.3	40.1	39.4	9.17	9.01	9.09	9.04	8.73
Measuring & controlling devices	386.46	367.88	396.18	374.79	346.18	41.2	39.9	42.6	40.3	39.7	9.38	9.22	9.30	9.30	8.72
Medical instruments & supplies	354.38	345.20	352.30	354.60	358.60	38.9	38.7	38.8	39.4	39.8	9.11	8.92	9.08	9.00	9.01
Other instruments & related prod.	363.44	357.16	357.28	346.72	322.10	41.3	41.1	41.4	40.6	38.3	8.80	8.69	8.63	8.54	8.41
Miscellaneous manufacturing industries	377.65	369.96	370.46	361.47	294.81	41.5	40.7	41.3	41.5	37.7	9.10	9.09	8.97	8.71	7.82

HOURS AND EARNINGS FOR

Table 6. (cont.) MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982
TOTAL NONDURABLE GOODS	$298.76	$296.07	$293.36	$291.08	$275.28	38.8	38.5	38.0	38.2	37.2	$ 7.70	$ 7.69	$ 7.72	$ 7.62	$ 7.40
Food & kindred products	345.60	348.13	337.59	337.79	322.69	40.0	40.2	39.3	39.6	39.4	8.64	8.66	8.59	8.53	8.19
Meat products	324.58	316.98	313.91	314.80	306.68	41.4	40.9	40.4	40.0	40.3	7.84	7.75	7.77	7.87	7.61
Meat packing plants	365.92	346.90	351.07	355.70	340.47	43.1	41.2	41.4	41.7	42.4	8.49	8.42	8.48	8.53	8.03
Sausages & other prepared meats	373.92	379.45	364.17	354.43	355.55	41.0	41.2	39.8	38.4	38.9	9.12	9.21	9.15	9.23	9.14
Poultry dressing & processing	246.00	242.61	239.80	240.77	237.80	40.0	40.3	39.9	39.6	39.7	6.15	6.02	6.01	6.08	5.99
Dairy products	335.62	325.63	335.48	334.19	317.67	42.7	42.4	43.4	42.9	42.3	7.86	7.68	7.73	7.79	7.51
Fluid milk	348.43	346.88	352.73	356.12	347.35	40.8	41.1	41.4	41.7	41.9	8.54	8.44	8.52	8.54	8.29
Other dairy products	325.90	309.16	322.65	315.80	292.24	44.1	43.3	45.0	43.8	42.6	7.39	7.14	7.17	7.21	6.86
Preserved fruits & vegetables	333.74	338.20	268.59	321.40	290.32	41.0	40.6	33.7	39.1	38.2	8.14	8.33	7.97	8.22	7.60
Canned fruits & vegetables	253.99	260.60	238.35	246.99	260.98	38.6	38.1	36.5	36.7	40.4	6.58	6.84	6.53	6.73	6.46
Other preserved fruits & vegetables	371.74	369.82	282.43	354.56	306.64	42.1	41.6	32.5	40.2	36.9	8.83	8.89	8.69	8.82	8.31
Grain mill products	436.30	443.39	426.26	409.64	426.47	40.7	41.4	40.1	40.2	42.1	10.72	10.71	10.63	10.19	10.13
Bakery products	328.93	326.62	329.75	319.31	324.22	37.0	37.2	37.6	37.0	37.7	8.89	8.78	8.77	8.63	8.60
Bread, cake & related prod.	343.73	332.15	338.01	326.16	341.61	37.0	36.5	36.7	36.2	38.6	9.29	9.10	9.21	9.01	8.85
Cookies & crackers	291.98	310.44	306.46	299.88	277.73	37.1	39.0	39.8	39.2	35.2	7.87	7.96	7.70	7.65	7.89
Sugar & confectionery prod.	355.11	369.77	361.20	345.54	337.51	39.5	40.5	40.0	39.0	39.2	8.99	9.13	9.03	8.86	8.61
Beverages	444.31	475.59	469.10	443.52	396.81	40.1	44.2	43.8	42.0	39.8	11.08	10.76	10.71	10.56	9.97
Other food & kindred products	294.80	283.86	282.30	298.28	257.47	40.0	38.0	38.2	40.2	38.2	7.37	7.47	7.39	7.42	6.74
Tobacco manufacturers	222.71	214.50	201.47	211.03	207.76	42.1	39.0	36.9	38.3	39.8	5.29	5.50	5.46	5.51	5.22
Textile mill products	235.35	232.80	223.05	233.01	210.86	38.9	38.8	37.3	38.9	36.8	6.05	6.00	5.98	5.99	5.73
Weaving mills, synthetics	258.52	254.41	236.98	260.20	241.20	41.1	41.1	38.1	41.9	40.2	6.29	6.19	6.22	6.21	6.00
Knitting mills	222.12	221.18	208.57	219.26	200.74	38.1	38.2	36.4	38.0	36.3	5.83	5.79	5.73	5.77	5.53
Knit outerwear mills	222.50	222.15	201.70	222.12	194.76	38.1	38.5	35.2	38.1	36.0	5.84	5.77	5.73	5.83	5.41
Knit underwear mills	198.45	195.73	195.15	194.93	185.49	37.8	37.0	37.1	37.2	36.3	5.25	5.29	5.26	5.24	5.11
Other knitting mills	251.94	250.24	239.51	241.72	231.99	38.7	39.1	38.2	38.8	37.0	6.51	6.40	6.27	6.23	6.27
Floor covering mills	321.44	325.82	259.70	287.66	258.48	41.0	41.4	35.0	38.1	35.9	7.84	7.87	7.42	7.55	7.20
Yarn & thread mills	201.44	196.38	200.54	199.97	186.84	36.1	36.1	37.0	37.1	36.0	5.58	5.44	5.42	5.39	5.19
Other textile mill prod.	244.61	239.55	248.69	248.00	215.87	40.1	39.4	39.6	40.0	36.9	6.10	6.08	6.28	6.20	5.85
Apparel & other textile products	191.13	186.45	184.37	187.81	174.62	34.5	33.9	33.1	33.9	32.7	5.54	5.50	5.57	5.54	5.34
Men's & boys' suits & coats	246.11	231.82	244.60	241.97	218.04	36.3	34.6	35.5	35.9	33.7	6.78	6.70	6.89	6.74	6.47
Men's & boys' furnishings	188.67	187.43	184.60	188.68	181.10	35.8	35.7	34.7	35.6	34.3	5.27	5.25	5.32	5.30	5.28
Men's & boys' shirts & nightwear	184.43	190.74	194.74	187.95	175.54	35.4	36.4	36.4	35.8	33.5	5.21	5.24	5.35	5.25	5.24
Men's & boys' separate trousers	191.95	194.30	190.99	193.40	185.93	34.9	35.2	35.5	35.1	33.5	5.50	5.52	5.38	5.51	5.55
Other furnishings & work clothing	190.47	180.03	171.15	186.54	183.73	36.7	35.3	32.6	35.6	35.4	5.19	5.10	5.25	5.24	5.19
Women's & misses' outerwear	181.06	176.90	172.85	176.00	160.56	33.1	32.4	31.6	32.0	30.7	5.47	5.46	5.47	5.50	5.23
Women's & children's undergarments	178.31	171.16	161.82	162.50	164.15	35.1	34.3	32.3	33.3	33.5	5.08	4.99	5.01	4.88	4.90
Children's outerwear	175.10	172.26	171.87	187.44	163.30	33.1	33.0	32.8	35.5	33.6	5.29	5.22	5.24	5.28	4.86
Other apparel & textile prod.	189.15	188.84	190.11	186.07	184.91	36.8	37.1	36.7	36.2	36.4	5.14	5.09	5.18	5.14	5.08

HOURS AND EARNINGS FOR

Table 6. (concl.) MANUFACTURING AND SELECTED NONMANUFACTURING INDUSTRY DETAIL

INDUSTRY TITLE	PRODUCTION WORKER AVERAGES														
	GROSS WEEKLY EARNINGS					WEEKLY HOURS					HOURLY EARNINGS				
	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982	Sept. 1983	Aug. 1983	July 1983	June 1983	Sept. 1982
Paper & allied products	$380.19	$382.37	$381.05	$373.59	$341.95	43.7	43.9	43.9	43.9	41.6	$ 8.70	$ 8.71	$ 8.68	$ 8.51	$ 8.22
Paper mills exc. building paper	473.83	476.63	478.63	467.40	444.54	47.1	46.5	46.2	47.5	46.5	10.06	10.25	10.36	9.84	9.56
Paper board containers & boxes	375.80	378.00	372.36	364.19	331.14	42.9	43.2	42.8	42.2	39.8	8.76	8.75	8.70	8.63	8.32
Corrugated & solid fiber boxes	397.27	400.51	391.61	386.76	357.25	43.8	44.7	44.1	43.9	41.3	9.07	8.96	8.88	8.81	8.65
Other paperboard containers	352.80	353.60	352.75	339.33	303.69	41.9	41.6	41.5	40.3	38..	8.42	8.50	8.50	8.42	7.95
Other paper & allied products	341.48	347.20	347.69	344.18	302.66	42.9	43.4	43.9	43.9	40.9	7.96	8.00	7.92	7.84	7.40
Printing & publishing	361.82	356.81	353.72	350.68	334.90	39.2	38.7	38.7	38.2	38.1	9.23	9.22	9.14	9.18	8.79
Newspapers	334.08	321.38	323.04	323.28	316.91	34.3	33.2	33.2	33.5	33.5	9.74	9.68	9.73	9.65	9.46
Books	368.46	348.91	333.13	335.23	304.56	42.4	41.0	39.8	38.8	36.3	8.69	8.51	8.37	8.64	8.39
Commercial printing	384.71	385.20	376.51	372.17	360.00	40.2	40.0	39.8	39.3	40.0	9.57	9.63	9.46	9.47	9.00
Lithographing	409.70	404.82	391.79	375.73	379.53	39.7	39.0	38.6	36.8	39.7	10.32	10.38	10.15	10.21	9.56
Other commercial printing	350.96	358.52	356.07	367.22	332.90	41.0	41.4	41.5	42.7	40.4	8.56	8.66	8.58	8.60	8.24
Manifold business forms	405.92	396.14	412.55	404.71	357.94	43.6	43.2	44.6	43.8	40.4	9.31	9.17	9.25	9.24	8.86
Other printing & publishing	323.70	325.20	326.58	320.64	306.10	39.0	38.9	39.3	38.4	38.6	8.30	8.36	8.31	8.35	7.93
Chemicals & allied products	427.84	430.92	416.34	422.24	401.53	41.7	42.0	41.1	41.6	40.6	10.26	10.26	10.13	10.15	9.89
Industrial inorganic chemicals	466.98	445.91	414.47	441.09	401.55	43.4	43.0	41.2	43.5	41.1	10.76	10.37	10.06	10.14	9.77
Plastic materials & synthetics	440.50	470.99	392.46	426.80	404.53	41.4	44.1	37.7	40.0	38.6	10.64	10.68	10.41	10.67	10.48
Drugs	447.69	446.45	445.05	454.44	438.29	41.3	41.3	41.4	42.0	41.0	10.84	10.81	10.75	10.82	10.69
Soap, cleaners & toilet goods	389.35	405.44	384.56	380.61	365.07	43.6	45.3	43.8	43.3	43.0	8.93	8.95	8.78	8.79	8.49
Paints & allied products	400.88	419.74	407.55	444.00	369.76	41.2	42.7	41.8	44.4	38.8	9.73	9.83	9.75	10.00	9.53
Other chemicals & allied prod.	408.29	401.20	410.11	390.17	382.86	41.2	40.2	41.3	40.1	40.6	9.91	9.98	9.93	9.73	9.43
Petroleum & coal products	546.05	539.52	557.80	525.34	540.32	43.2	43.3	44.2	42.4	44.0	12.64	12.46	12.62	12.39	12.28
Petroleum refining	601.44	583.36	608.14	565.90	575.96	43.3	42.8	44.1	42.2	43.6	13.89	13.63	13.79	13.41	13.21
Other petroleum & coal prod.	429.86	443.11	440.89	425.14	442.96	42.9	44.4	44.4	42.9	45.2	10.02	9.98	9.93	9.91	9.80
Rubber & misc. plastics products	335.86	321.12	317.99	308.70	291.45	42.3	40.7	40.1	40.3	37.9	7.9(	7.89	7.93	7.66	7.69
Tires & inner tubes	459.22	466.31	438.70	460.85	388.63	43.2	44.2	41.0	43.6	39.9	10.63	10.55	10.70	10.57	9.74
Fabricated rubber prod., n.e.c.	381.60	364.83	384.89	374.33	359.81	42.4	40.9	41.7	41.5	41.5	9.00	8.92	9.23	9.02	8.67
Other rubber & plastic prod., n.e.c.	319.03	303.40	300.45	289.28	276.01	42.2	40.4	39.9	39.9	37.4	7.56	7.51	7.53	7.25	7.38
Leather & leather products	196.94	198.36	196.70	195.05	181.41	37.3	38.0	37.9	37.8	35.5	5.28	5.22	5.19	5.16	5.11
Footwear, exc. rubber	186.29	186.13	184.13	184.64	171.78	36.6	37.3	36.9	37.3	35.2	5.09	4.99	4.99	4.95	4.88
Men's footwear, exc. athletic	196.94	197.25	201.10	199.80	185.06	37.8	38.3	39.2	39.1	36.5	5.21	5.15	5.13	5.11	5.07
Women's footwear, exc. athletic	179.83	179.83	177.97	182.02	168.43	35.4	36.7	36.1	37.3	34.8	5.08	4.90	4.93	4.88	4.84
Other footwear	175.06	172.80	161.56	162.11	157.51	35.8	36.0	33.8	34.2	33.8	4.89	4.80	4.78	4.74	4.66
Other leather & leather prod.	235.01	243.19	243.78	235.81	225.57	39.9	40.6	41.6	39.9	37.1	5.89	5.99	5.86	5.91	6.08
SELECTED NONMANUFACTURING INDUSTRIES															
Anthracite Mining	395.60	371.66	308.99	384.85	392.77	36.8	34.8	29.4	3[illegible].8	37.3	10.75	10.68	10.51	10.75	10.53
Bituminous coal & lignite mining	501.73	492.40	461.36	527.85	467.70	36.2	36.1	34.2	39.1	36.2	13.86	13.64	13.49	13.50	12.92
Nonmetallic minerals, exc. fuels	440.74	430.22	429.14	402.40	379.67	49.3	49.0	48.6	46.2	42.9	8.94	8.78	8.83	8.71	8.85
Communication	464.49	425.63	458.57	452.00	443.82	39.7	37.8	39.6	39.1	39.0	11.70	11.26	11.58	11.56	11.38
Electric, gas, & sanitary services	527.09	527.43	489.30	497.70	492.33	42.1	42.5	42.0	42.0	41.9	12.52	12.41	11.65	11.85	11.75
Electric services	517.59	512.13	474.31	486.57	485.64	42.6	42.5	41.9	42.2	42.6	12.15	12.05	11.32	11.53	11.40
Gas production & distribution	443.48	425.86	435.48	425.14	416.56	40.5	40.1	41.2	40.8	40.6	10.95	10.62	10.57	10.42	10.26
General merchandise stores	161.87	170.42	167.80	164.83	156.44	30.6	31.5	31.6	31.1	30.2	5.29	5.41	5.31	5.30	5.18